

# SUB CARRIER ASSIGNMENT METHOD FOR WIRELESS COMMUNICATION SYSTEM

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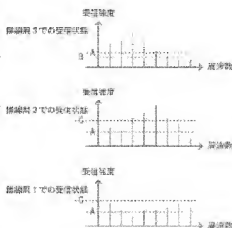
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Abstract of JP 2001238269 (A)

**PROBLEM TO BE SOLVED:** To provide a subcarrier assignment method for a wireless communication system by which a subcarrier providing a deteriorated reception state causing degradation in the transmission efficiency to a concerned wireless station cannot be assigned thereto. **SOLUTION:** The method of this invention comprises a 1st step where a base station transmits reference signals consisting of subcarriers with an equal level to wireless stations at the same time, a 2nd step where the wireless stations inform the base station about the reception state by the subcarrier of each reference signal, and a 3rd step where the base station makes communications with destination wireless stations by means of packets in the transmission sequence depending on the reception state of each subcarrier. In the 2nd step, a 1st threshold A with respect to the reception strength is set, and a binary bit is used to express the reception state having the reception strength of the threshold A or over and having the reception strength smaller than the threshold A.



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